

MATERIALS WORKING GROUP -- MONDAY DEC 18, 2017

TIME AND ROOM: 11am, WWH 1314

TITLE: Mathematical methods for the statistical mechanics of mesoscopic particles

SPEAKER: Emilio Zappa (CIMS)

ABSTRACT: I will present some mathematical methods for investigating the statistical mechanics of mesoscopic particles. Specifically, I will discuss (i) a numerical algorithm for computing the partition function of a system of particles interacting by a short-ranged potential, and (ii) some recent work on determining of the symmetry numbers of sticky-sphere clusters. This is joint work with Jonathan Goodman and Miranda Holmes-Cerfon.